

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#3

Applicant(s): Haixiang Liang

Title: CATEGORIZATION OF IMPAIRMENTS AFFECTING A
COMMUNICATION CHANNEL

Application No.: 09/627,572

Filed: July 28, 2000

Examiner: (not yet assigned)

Group Art Unit: 2734

Atty. Docket No.: 1005-0017

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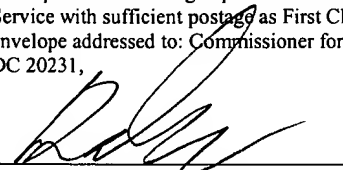
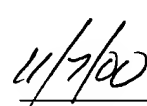
November 7, 2000

COMMISSIONER FOR PATENTS
Washington, DC 20231**INFORMATION DISCLOSURE STATEMENT**

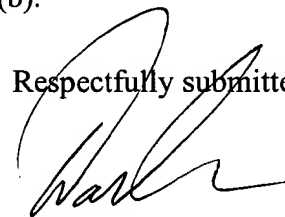
Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, Applicant(s) wish to bring the documents identified in the attached form PTO 1449 to the Examiner's attention in the above-captioned application. Citation of the above documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the instant invention;
2. a representation that a search has been made, other than as described above; or
3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

CERTIFICATE OF MAILING	
I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231,	
 David W. O'Brien	 Date

Respectfully submitted,

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U.S. Department of Commerce, Patent and Trademark Office					Attorney Docket No.: 1005-0017			
					Application No.: 09/627,572			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicant(s): Haixiang Liang			
(Use several sheets if necessary)					Filing Date: July 28, 2000			
					Group Art Unit: 2734			
					Date Submitted: November 7, 2000			
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	6,118,813	Sep. 12, 2000	Lai	375	231		
	AB	6,115,395	Sep. 5, 2000	Norrell et al.	370	523		
	AC	6,108,354	Aug. 22, 2000	Scull et al.	370	523		
	AD	6,104,730	Aug. 15, 2000	Marks	370	523		
	AE	5,999,109	Dec. 7, 1999	Norrell et al.	341	58		
	AF	5,970,103	Oct. 19, 1999	Townshend	375	340		
	AG	5,875,229	Feb. 23, 1999	Eyuboglu et al.	379	1		
	AH	5,859,872	Jan. 12, 1999	Townshend	375	242		
	AI	5,835,538	Nov. 10, 1998	Townshend	375	295		
	AJ	5,809,075	Sep. 15, 1998	Townshend	375	254		
	AK	5,801,695	Sep. 1, 1998	Townshend	375	340		
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AP	PN 3857 Draft 15, "North American Telephone Network Transmission Model for Evaluating Analog Client and Digitally Connected Server Modems," "Telecommunications Industry Association Standard Draft, May 2000, pp i-97.						
	AQ	"A Digital Modem and Analogue Modem Pair for Use on the Public Switched Telephone Network (PSTN) at Data Signalling Rates of up to 56 000 Bit/s Downstream and up to 33,600 Bit/s Upstream," Series V: Data Communication Over the Telephone Network, Simultaneous transmission of data and other signals, ITU-T, V.90, Sept. 1998, 51 pages.						
	AR	U.S. Pat. App. No. 09/447,142, entitled "Deterministic Distortion Insensitive Adaptive Receiver Using Decision Updating," filed Nov. 23, 1999 by inventor Mark Gonikberg, 28 pages.						
	AS	U.S. Pat. App. No. 09/627,571, entitled, "An Impairment Sensitive Selection of Constellation Points for Communication Across a Channel," filed July 28, 2000 by inventor Haixiang Liang, 53 pages.						
	AT	U.S. Pat. App. No. 09/627,573, entitled, "Impairment Compensation Sequence for Communication," filed July 28, 2000 by inventor Haixiang Liang, 51 pages.						
Examiner			Date Considered					
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>								